

Figure 1

ELISA analysis (average from triplicates):	OD values	
	T52	T25
Histone H4	2 µg/ml	2 µg/ml
8 mono-Ac (SEQ ID NO:4)	683	1367
12 mono-Ac (SEQ ID NO:5)	940	552
16 mono-Ac (SEQ ID NO:6)	101	0
5, 12 di-Ac (SEQ ID NO:7)	822	585
8, 16 di-Ac (SEQ ID NO:8)	884	1296
8, 12, 16 tri-Ac (SEQ ID NO:9)	1485	1436
5, 8, 12, 16 tetra-Ac (SEQ ID NO:1)	1408	1443
non-acetylated (SEQ ID NO:2)	0	0
Unrelated peptides		
tri-Ac (SEQ ID NO:10)	935	0
mono-Ac (SEQ ID NO:11)	742	0

Figure 2

ELISA analysis at different concentrations of Antibody:	OD values	
	T52	T25
	1/10 µg/ml	1/5 µg/ml
8 mono-Ac (SEQ ID NO:4)	398/914	1460/1446
12 mono-Ac (SEQ ID NO:5)	705/1070	522/933
16 mono-Ac (SEQ ID NO:6)	40/200	002/55
5, 12 di-Ac (SEQ ID NO:7)	624/986	514/868
8, 16 di-Ac (SEQ ID NO:8)	565/1097	1255/1260
8, 12, 16 tri-Ac (SEQ ID NO:9)	1288/1506	1372/1276
5, 8, 12, 16 tetra-Ac (SEQ ID NO:1)	1183/1439	1383/1324
not-Ac (SEQ ID NO:2)	0/0	007/48

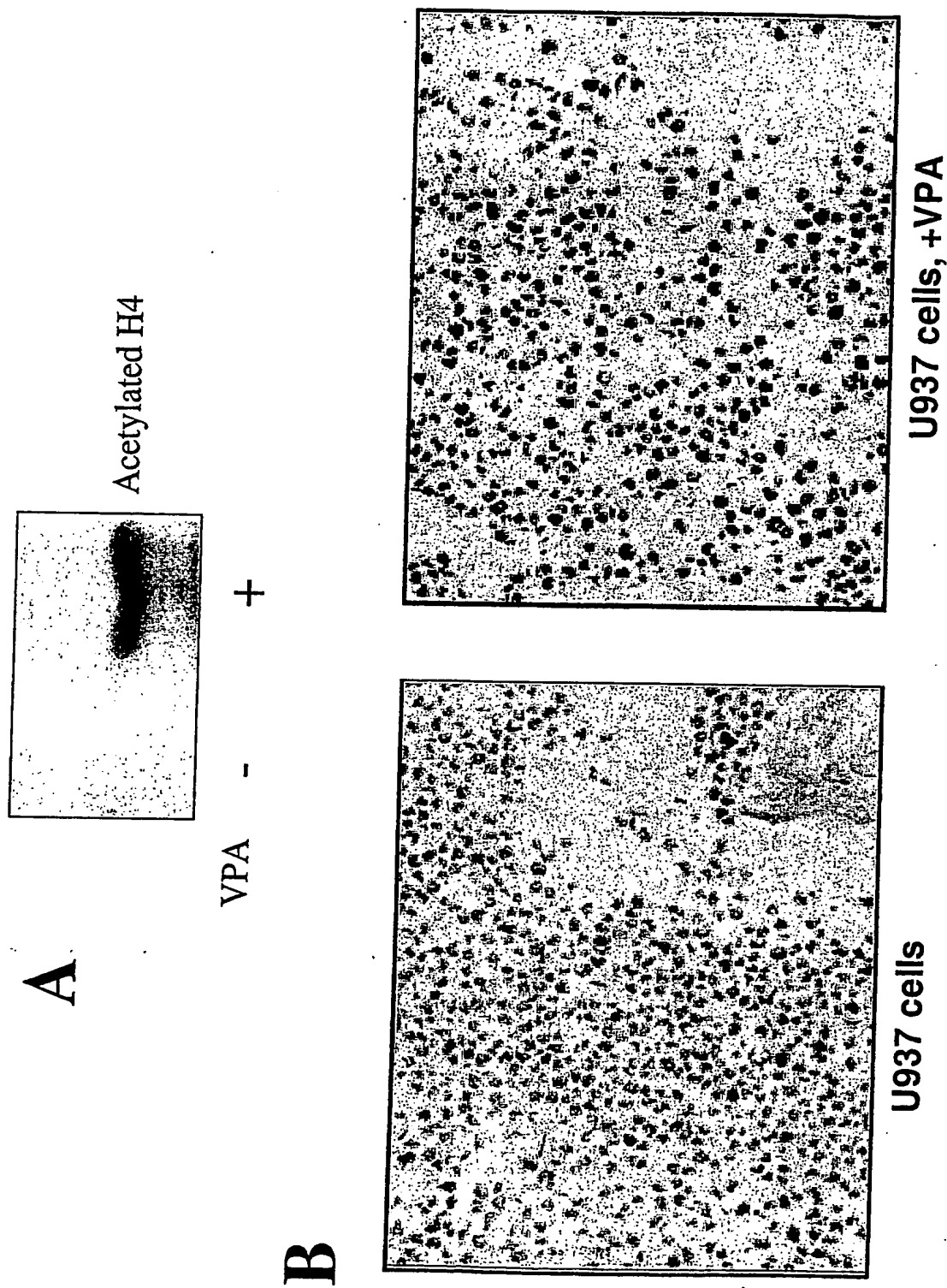
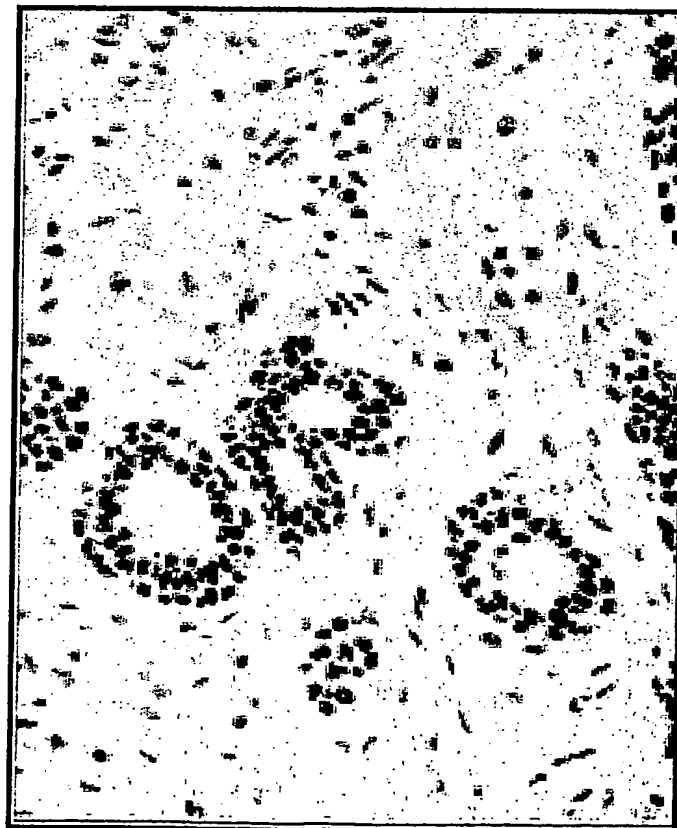
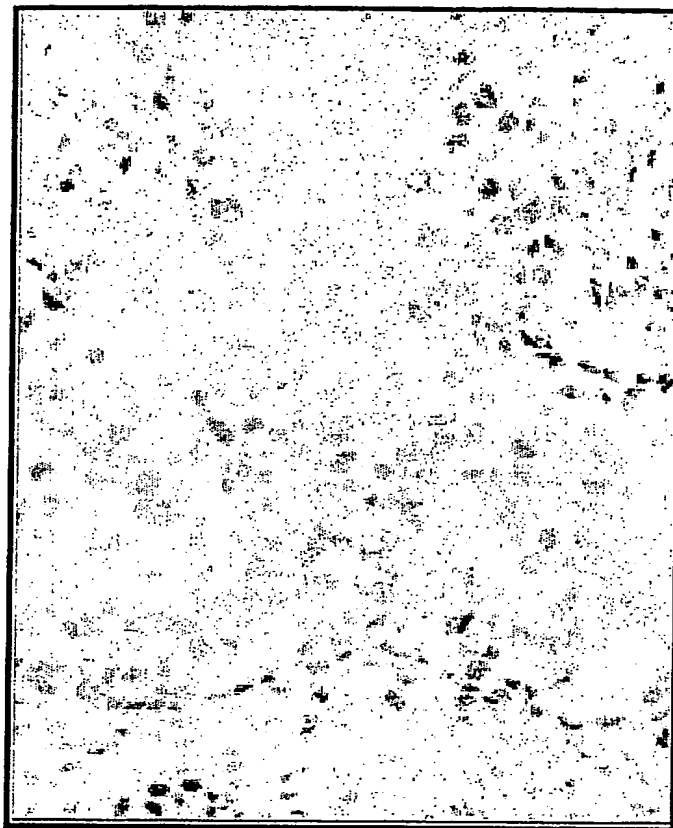


Figure 3

Breast Cancer



Normal Breast



Breast Cancer

Figure 4

Colon Cancer

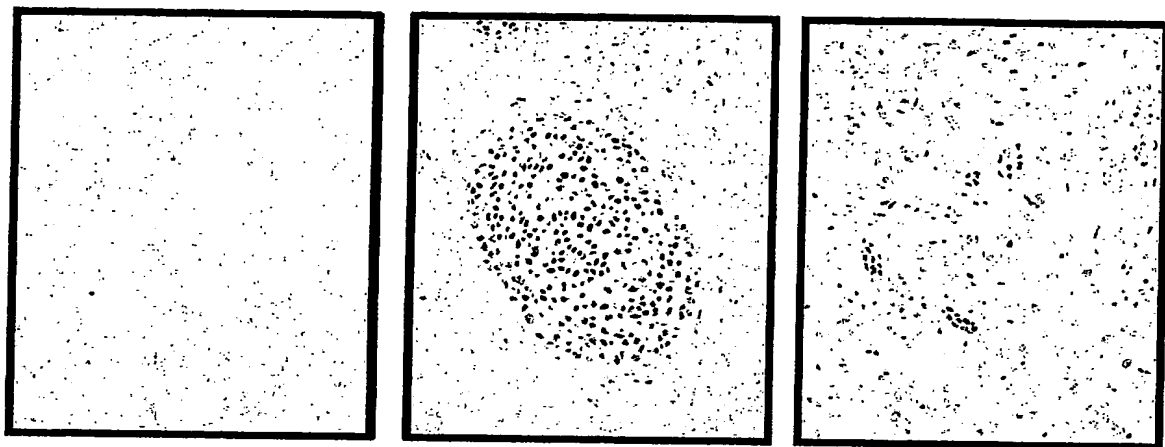


Colon Cancer



Normal Colon

Figure 5



Class A
51%

Class B
31%

Class C
18%

Figure 6

7/12

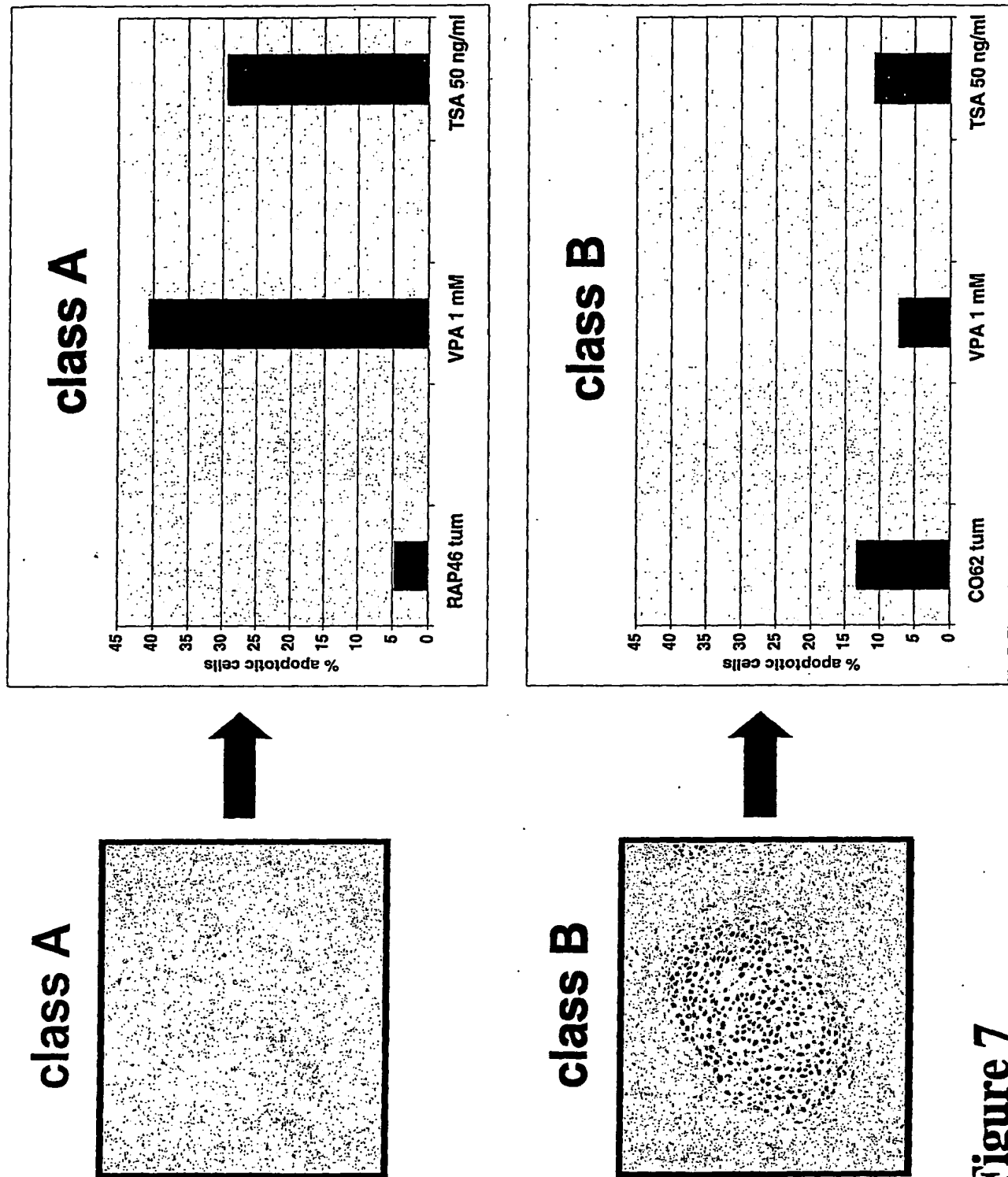


Figure 7

8/12

100529792

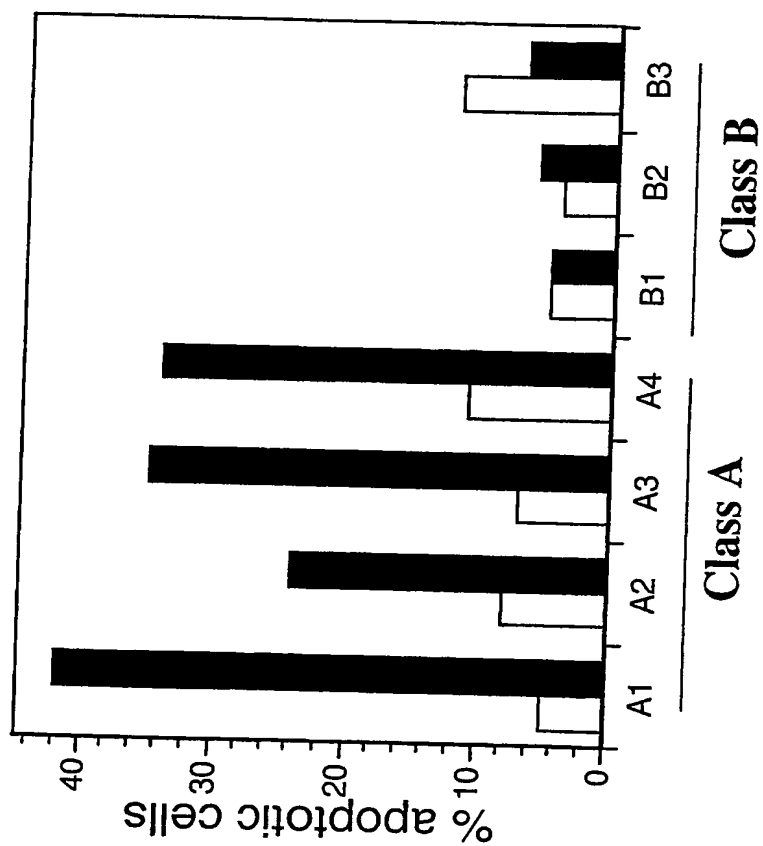


Figure 8

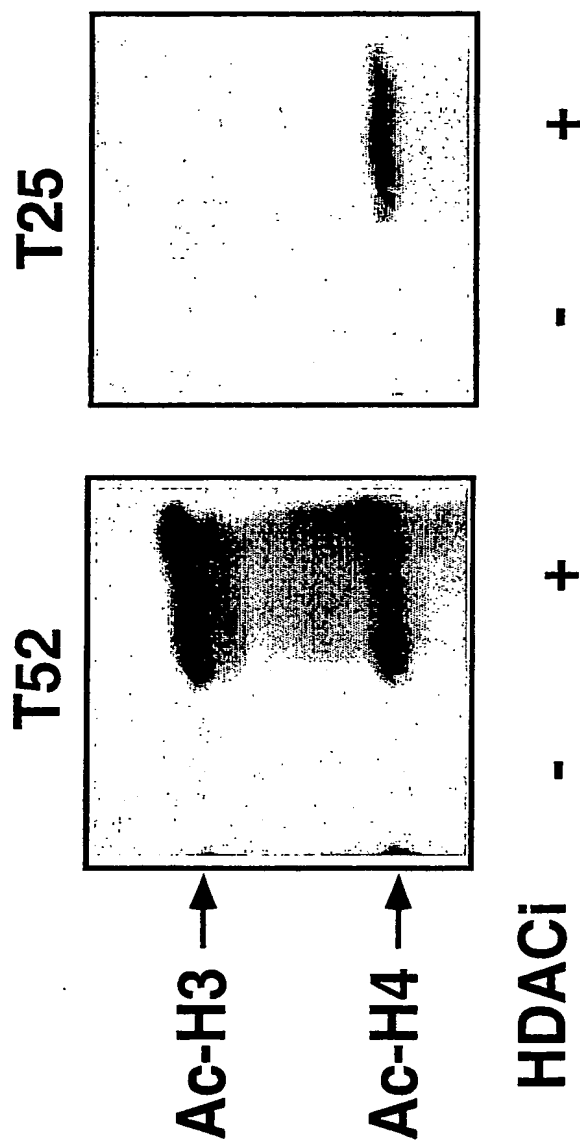


Figure 9

10/12

10/529799

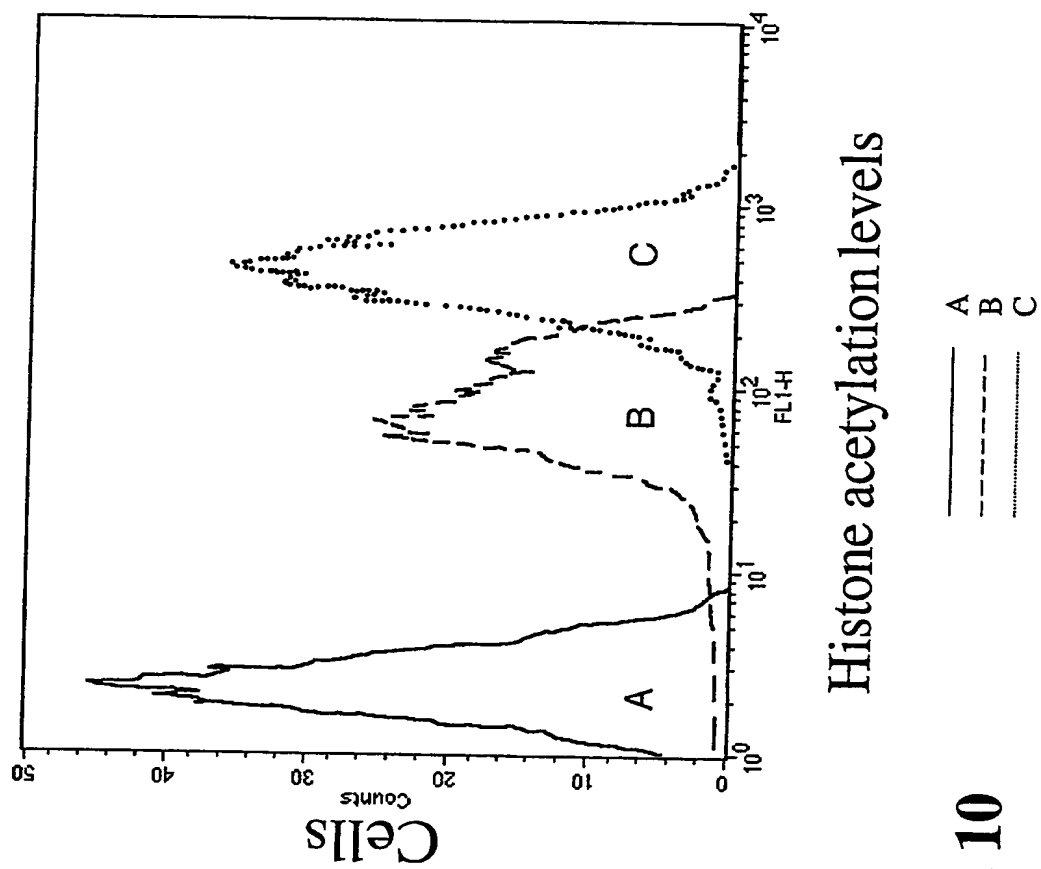


Figure 10

11/12

10/529792

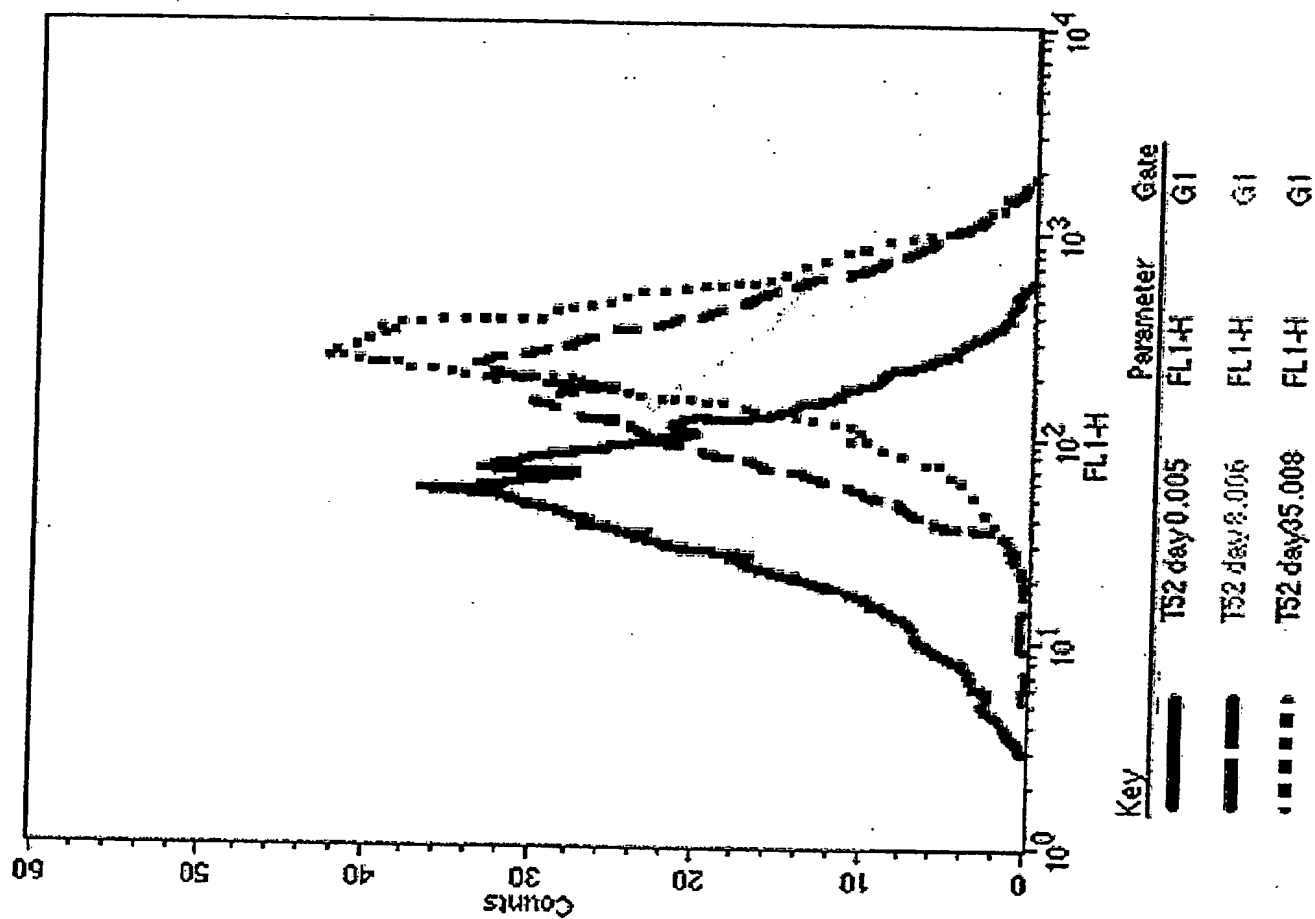


Figure 11

12/12

10/529792

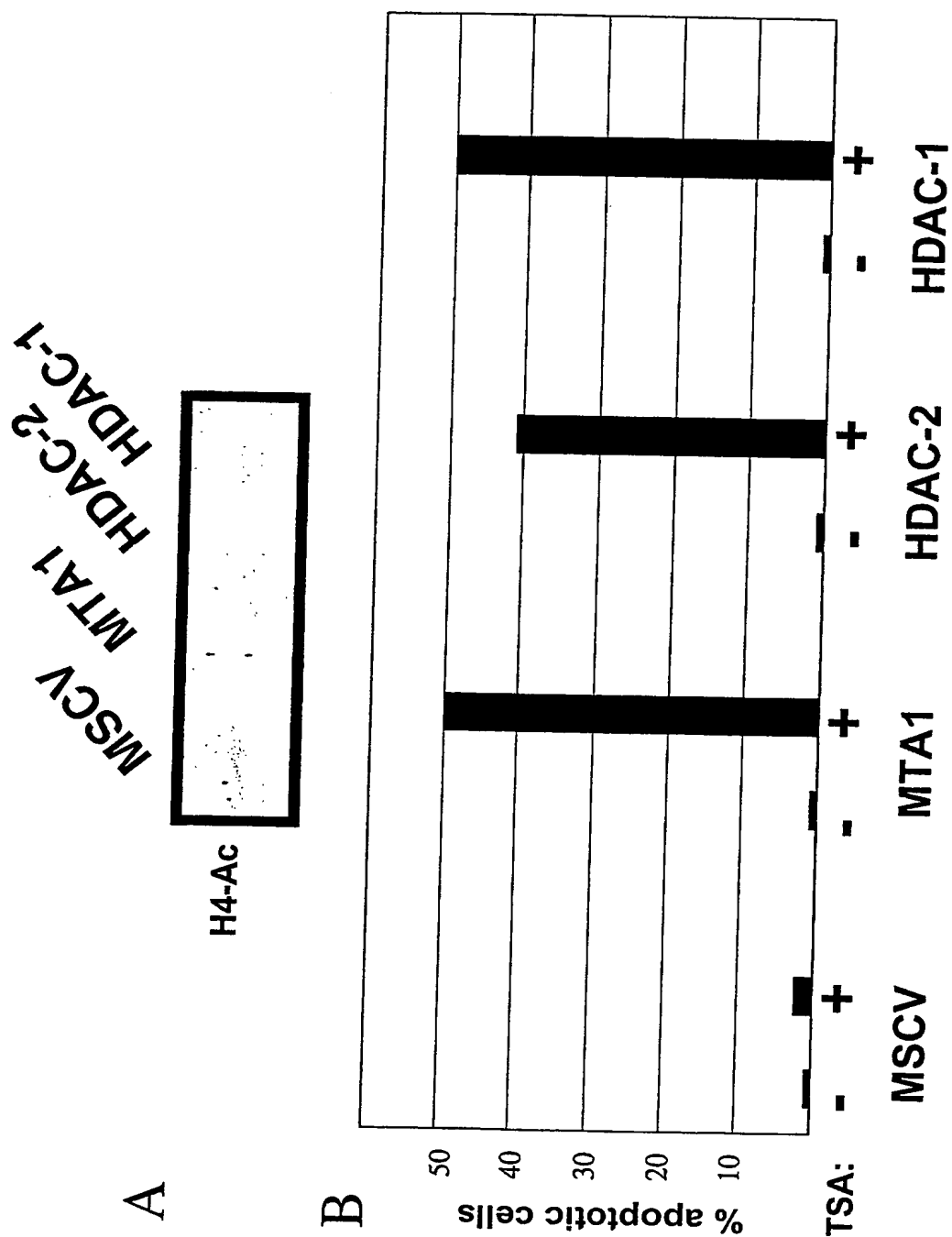


Figure 12

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☒ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☒ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.